

CLAIMS

1. A method of detecting local features of video comprising the steps of:

extracting a first static image and a second static image from a video made up of a plurality of static images;

calculating a feature quantity of the first static image and a feature quantity of the second static image;

detecting the second static image having a feature quantity such that a difference in feature quantity between the first static image and the second static image satisfies a predetermined condition; and

displaying the detected second static image and the feature quantity difference in one-to-one correspondence.

2. A method of detecting local features of video according to claim 1, wherein the feature quantity is the one associated with a flicker scene of the video.

3. A method of detecting local features of video according to claim 2, wherein the feature quantity is a brightness of the static image.

4. A method of detecting local features of video according to claim 2, wherein the feature quantity is a percentage of a red component in the static image.

5. A method of detecting local features of video according to claim 1, wherein the second static image is a static image consecutive to the first static image in the video.

6. A method of detecting local features of video according to claim 1, wherein the step of displaying the detected second static image and the feature quantity difference in one-to-one correspondence further displays a time identifying the second static image linked with the second static image.

7. A method of detecting local features of video comprising the steps of:

extracting static images from a video made up of a plurality of consecutive static images;

calculating feature quantities relating to a flicker scene of the static images of the video;

detecting static images constituting the flicker scene according to differences in the feature quantity between the static images and their preceding or subsequent static images;

storing and managing the detected static images and the feature quantities; and

displaying the static images and the feature quantity differences in one-to-one correspondence.

8. A method of detecting local features of video according to claim 7, wherein the detected static images are classified into a group according to whether their detection intervals are equal to or less than a predetermined value.

9. A method of detecting local features of video according to claim 7, wherein the detected static images are classified into a group according to whether the number of

their detections per second is equal to or higher than a predetermined value.

10. An apparatus for detecting local features of video, which has a display for displaying the video, comprising:

means for calculating feature quantities of static images included in the video;

means for detecting static images whose feature quantities meet a predetermined condition; and

means for displaying on the display the detected static images and information on the feature quantities in one-to-one correspondence.

11. An apparatus for detecting local features of video according to claim 10, wherein said displaying means displays the detected static images, the information on the feature quantities and times identifying the static images in one-to-one correspondence with one another.

12. An apparatus for detecting local features of video according to claim 10, wherein said displaying means classifies the detected static images into a group according to whether their detection intervals are equal to or less than a predetermined value and then displays the classified group.

13. An apparatus for detecting local features of video according to claim 10, wherein said displaying means classifies the detected static images into a group according to whether the number of their detections per second is equal to or greater than a predetermined value.

14. A recording medium storing a local feature detection program used in a local feature detection apparatus, which local feature detection apparatus has a display for displaying a video, the local feature detection program including the steps of:

extracting a first static image and a second static image from the video;

calculating a feature quantity of the first static image and a feature quantity of the second static image;

detecting the second static image having a feature quantity such that a difference in feature quantity between the first static image and the second static image satisfies a predetermined condition; and

displaying the detected second static image and the feature quantity difference in one-to-one correspondence.

15. A recording medium storing a local feature detection program according to claim 14, wherein the feature quantity is a brightness of the static image.

16. A computer program product stored on a computer usable medium comprising the steps of:

extracting static images from a video made up of a plurality of static images;

calculating feature quantities of the static images;

detecting static images whose feature quantities meet a predetermined condition; and

displaying the detected static images and information on the feature quantities in one-to-one correspondence.